

ABSTRACT OF THE DISCLOSURE

2 The apparatus is a 28 speed, two section, transmission that requires only a
3 single clutch swap for most changeovers between adjacent ratios. It uses a first
4 section with three close ratio forward speeds and one reverse along with a second
5 section that is an 11 speed, wide ratio, transmission. The two transmission sections
6 are arranged in series resulting at least 28 usable forward speeds. The second
7 section includes an intermediate planetary gear set without a ring gear and an
8 output planetary gear set that is a conventional simple planetary gear set with a two
9 sun gears, two planes of planetary gears on a single carrier, and two ring gears.